A. THE STORM WATER POLLUTION PREVENTION PLAN IS COMPRISED OF THE EROSION AND SEDIMENT CONTROLL DRAWING, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS SECTION 02370 ("SWPPP"), PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORMWATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM PREVENTION PLAN AND THE STATE OF VIRGINIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AN THEIR CONTENTS. M WATER POLLUTION AND BECOME FAMILIAR WITH

CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION. PRACTICES SHALL BE IMPLEMENTED

D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER. 0R MANUAL 9 PRACTICE.

E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS MAINTAINED ON SITE AT ALL TIMES. OR REGULATED WETLANDS MUST ВE

CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.

G. ( ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE ) CLEANING AREA, EMPLOYEE PARKING AREA. AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES 9R EQUIPMENT MAINTENANCE DISPOSED

I. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO FUEL OR CHEMICAL SPILLS AND LEAKS. CONTAIN AND

J. DUST ON THE SITE SHALL BE CONTROLLED; THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST PROHIBITED. SUPPRESSION OPERATIONS IS

K. RUBBISH, TRASH, GARBAGE, UTTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE. PREVENTED FROM LEAVING

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS, SHALL SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN AND IN THE STORM WATER POLLUTION PREVENTION SOON AS PRACTICABLE. BE TEMPORARILY SEEDED. PLAN, SHALL BE INITIATED THESE AREAS SHALL

N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE 'PERMANENTLY SEEDED. TI SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN HESE AREAS SHALL BE AND/OR LANDSCAPE PLAN.

O. IF IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY THES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTEF OF THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. OF DIRT OR MUD, THEN RCEPT THE WASH WATER AND

CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION FACILITY AND ANY SEDIMENT THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMO' VED IMMEDIATELY. THAT MAY HAVE COLLECTED

R. ON—SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPL MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE REQUIREMENTS. EMENTATION OF BEST WITH GENERAL PERMIT

SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

T. DUE TO MEASURES ( ) THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION. ADJUSTIN S  $\exists \exists$ **EROSION** CONTROL

U. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILI PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.  $\dashv$ CONSTRUCTION AND

CONTRACTOR SHALL UTILIZE SURFACE ROUGHENING, MATTING, SEEDING, AND/OR MULCHING ON ALL SLOPES GREATER THAN 3:1.

## MAINTENANCE NOTES

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHAI FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING: ALL BE MAINTAINED ALL EROSION AND 7 THE APPLICABLE  $\equiv$ 

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERI IORATION
- 2 ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS RESEEDED AS NEEDED. SHOULD BE FERTILIZED, WATERED, AND
- У. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM ONE—HALF THE HEIGHT OF THE SILT FENCE. THE SILT FE NCES WHEN IT REACHES
- CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS PREVENT TRACKING OR FLOW OF MUD ONTO CONDITIONS DEMAND. PUBLIC RIGHTS-OF-WAY.

4.

- 5 TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND. AND STORAGE). SIHT MAY REQUIRE PERIODIC
- 6 OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. FROM SEDIMENT BASINS OR TRAPS WHEN THE TOTAL CAPACITY HAS BEEN REDUCED BY 50%. SEDIMENT SHALL BE REMOVED

## SEQUENCE PHASE A OF CONSTRUCTION

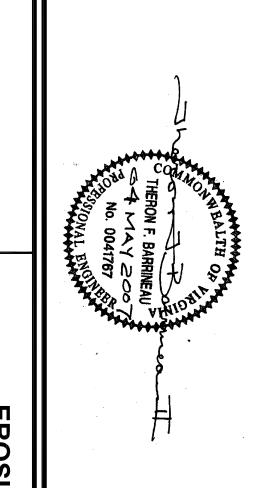
- INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXITS.
  INSTALL ALL SEDIMENT BARRIERS DOWN SLOPE FROM CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOILS AS SHOWN ON THE PLANS.
  PREPARE TEMPORARY PARKING AND STORAGE AREA. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, PORTA-POTY, WHEEL WASH, CONCRETE WASHOUT, MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
  CONSTRUCT THE SILT FENCES ON THE SITE.
- HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPs. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE—CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND—DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
- CONSTRUCT THE SEDIMENT BASIN WITH APPROPRIATE STABILIZE SEDIMENT BASIN.
  CLEAR AND GRUB THE SITE.
  BEGIN GRADING THE SITE.
  START CONSTRUCTION OF BUILDING PAD AND STRUCT OUTFALL STRUCTURES.
- STRUCTURES

- STAGING AREA AND

- PHASE B

  1. TEMPORARILY SEED DENUDED AREAS.
  2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS, AND STONE.
  3. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS, AND STONE.
  3. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
  4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
  5. CONSTRUCT AN ACCESS ROAD WITH AN ALL WEATHER SURFACE BETWEEN COUNTRY CLUB DRIVE AND THE STAGIN BUILDING PAD.
  6. CONSTRUCT A STAGING AREA NO LESS THAN 200 FT. BY 200 FT. COMPRISED OF AN ALL WEATHER SURFACE.
  7. CONSTRUCT A 20 FOOT CLEAR ACCESS AROUND THE BUILDING PAD COMPRISED OF AN ALL WEATHER SURFACE.
  8. PREPARE SITE FOR PAVING.
  9. PAVE SITE.
  10. INSTALL INLET PROTECTION DEVICES.
  11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
  12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THIER SPECIFIC PROJECT SCHEDULE  CONSTRUCTION SEQUENCE   JAN   FEB   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAY   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DEC   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   SEP   OCT   NOV
_ , , , , , , , , , , , , , , , , , , ,



/	TOWN ENGINEER DATE
0055	

ANDERSON & ASSOCIATES,
Professional Design Services
www.andassoc.com
Virginia - North Carolina - Tennessee
540 N<sub>C</sub> DATE
DESIGNED:
DRAWN
CHECKED:
QA/QC

**FIRST** PHASE II BLACKSBURG, VIRGINIA & MAIN BLACKSBURG

**EROSION &** SEDIMENT NOTES CONTROL

22559 -C 3.01 120

5/3/2007 9:04 PM / 22559.80\_sheet\_esc.dwg